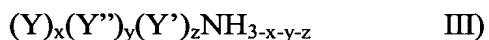


Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A process wherein one or more polyamines, each with one or more -NH_2 functions and one or more second amine functions, said second amine functions having a lower lactone reactivity than said -NH_2 functions, is reacted in a first step with one or more lactones, hydroxyacids, cyclic carbonates, or mixtures thereof, to form a polyamine derived compound with amide and/or urethane groups, which polyamine-derived compound is reacted in a second step with one or more at least bifunctional amine-specific reagents to form an intermediate optionally comprising ester and/or carbonate groups, wherein in the second step optionally an additional amine modifier of formula III)



wherein x is an integer of 0, 1 or 2, y is an integer of 0, 1 or 2, z is an integer of 0 or 1, wherein $x+y$ is 1 or 2, $x+y+z$ is 1 or 2, Y represents an (anchoring) moiety with affinity for a pigment surface or substrate, Y'' represents a (stabilising) moiety with affinity for the matrix, and Y' represents a further group that is neither an anchoring moiety nor a stabilising moiety, is co-reacted

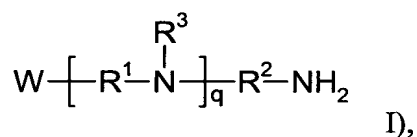
and in the intermediate at least two polyamine residues, or if a modifier is co-reacted, at least one polyamine residue and at least one optional amine modifier residue, are linked by the bifunctional amine-specific reagent.

2. (Original) A process according to claim 1 wherein in the second step an intermediate comprising at least two polyamine residues is formed.

3. (Currently Amended) A process according to claim 1-~~or~~2 wherein the number of lactone, hydroxy acid and/or cyclic carbonate molecules is from 0.1 to 10 times the number of -NH_2 groups of the polyamine .

4. (Previously Amended) A process according claim 1 wherein the bifunctional amine-specific reagent is used in an amount such that the number of amine-reactive groups corresponds to from 0.1 to 10 times the sum of the number of second amine functions of the polyamine-derived compound and the number of amine functions of the optional amine modifier.

5. (Previously Amended) A process according to claim 1 wherein a polyamine is used of formula I)



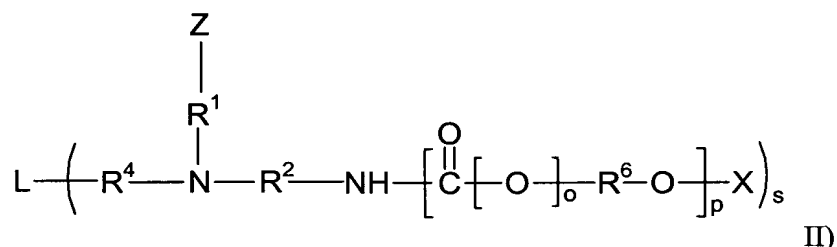
wherein q is an integer from 1 to 10, wherein R^1 and R^2 , independently, are selected from alkylene groups with from 1 to 10 carbon atoms, wherein each of R^3 , independently, is selected from the group consisting of hydrogen, hydroxyalkyls, alkylamines, polyalkylamines, and polyalkylpolyamines, and wherein W is hydroxy or amine.

6. (Previously Amended) A process according to claim 1 which comprises a further step wherein one or more of the -OH groups which are present after the first step are reacted to attach a matrix-compatible moiety with a molecular weight of more than 250 to said intermediate, with said further step being conducted either between the first and second steps or, preferably, after the second step.

7. (Original) A process according to claim 5 wherein the –OH groups are reacted with one or more compounds selected from the group consisting of epoxides, lactones, cyclic carbonates, hydroxy acids, and other suitable conventional reactants to form polyesters, to form matrix-compatible linear or branched, substituted or unsubstituted, preferably unsubstituted, C₄-C₃₀ alkyl, polyester, polyether, polyetherester or polyesterether groups.

8. (Previously Amended) A process according to claim 1 wherein at least one amine modifier of formula III is co-reacted in the second step.

9. (Original) Polyamine derivative of formula II :



wherein each R⁴NR¹ZR²NH moiety is a residue of a polyamine, each C(O)[O]R⁶O moiety is a residue of a lactone, hydroxyacid and/or cyclic carbonate, L is a residue of at least bifunctional amine-specific reagent, R¹ and R² are as defined above for formula I), each index o will independently be 0 or 1, index p represents the average number of moiety C(O)[O]R⁶O per R⁴NR¹ZR²NH moiety and has a value ranging from 0.1 to 30, each X is hydrogen or, wholly or partly, a substituted or unsubstituted, linear or branched, hydrocarbon group, polyester, polyether, polyetherester or polyesterether group, index s represents an integer of 1 to 10, wherein if s is 1, the amine specific reagent L is further reacted with a compound of formula III as defined above, R⁴ represents a group R³ minus a proton, R³ is as defined above for formula I), Z- presents a group W'-[R¹-NR⁵]_{q-1}-, wherein W' is W as defined for formula I

above or the reaction product of group W with at least one lactone, hydroxyacid and/or cyclic carbonate and each R^5 independently is a group R^3 or the reaction product of R^3 with amine-specific reagent L.

10. (Previously Amended) Polyamine derivative obtainable by a process according to claim 1.

11-12. (Canceled).

13. (New) A printing ink formulation, comprising the polyamine derivative of claim 9.

14. (New) A coating composition, comprising the polyamine derivative of claim 9.

15. (New) A pigment dispersant, comprising the polyamine derivative of claim 9.

16. (New) A printing ink formulation, comprising the polyamine derivative of claim 10.

17. (New) A coating composition, comprising the polyamine derivative of claim 10.

18. (New) A pigment dispersant, comprising the polyamine derivative of claim 10.